

AMENDMENT TO THE CLAIMS

Please amend claims 1-4, 9-10, 12, 15-17, and 20-22 and cancel claims 5 and 18-19, leaving the following claims 1-4, 6-17, and 20-24 still pending. This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for managing a remote client on a network, the method comprising:
transmitting a request for wake-on-LAN status information to a plurality of clients;
receiving a response from one or more of the clients, the response including an indication of wake-on-LAN functionality status of the client;
updating the status of the wake-on-LAN functionality of the responding clients in a database;
determining a client to be managed from the plurality of clients based on the received statuses of wake-on-LAN functionality, wherein determining a client to be managed based on the received statuses includes determining whether the client is active on the network;
~~determining whether the client is active on the network;~~
in response to receiving responses from the one or more clients and determining a client to be managed, transmitting a first network packet to the determined client using the network, the first network packet comprising a wake-on-LAN packet; and
receiving, from the determined client, a return wake-on-LAN packet, the return wake-on-LAN packet comprising an indication of the address of the client and an indication of the status of the wake-on-LAN functionality of the client.

2. (Currently Amended) The method of claim 1, further comprising transmitting a command to start a management session on the determined client using the network.
3. (Currently Amended) The method of claim 2, further comprising:
receiving an indication from the determined client that the client's wake-on-LAN functionality is disabled; and
transmitting an override command to the determined client.
4. (Currently Amended) The method of claim 1, further comprising:
receiving an indication that the management session is complete; and
marking the determined client in a database as having completed its management session.
5. (Canceled)
6. (Original) The method of claim 1, wherein the wake-on-LAN packet comprises an indication of the client address.
7. (Original) The method of claim 1, wherein the wake-on-LAN packet comprises an indication of a broadcast wake-on-LAN command.
8. (Original) The method of claim 1, wherein the wake-on-LAN packet comprises an indication of an address for the transmitting computer.
9. (Currently Amended) The method of claim 1, wherein at least one response from a client to the request for wake-on-LAN information ~~the return wake-on-LAN packet~~ comprises an indication that the client has wake-on-LAN enabled.
10. (Currently Amended) The method of claim 1, wherein at least one response from a client to the request for wake-on-LAN information ~~the return wake-on-LAN packet~~ comprises an indication that the client has wake-on-LAN disabled.
11. (Original) The method of claim 1, wherein the network is an Ethernet network.

12. (Currently Amended) An data processing system for managing a remote client on a network, the system comprising:
a server computer system in communication with at a plurality of ~~least one~~ client computer systems, the server computer system comprising a processor capable of determining whether the client computer system is active;
wherein the server computer system transmits requests for wake-on-LAN status information to a plurality of clients and receives responses from one or more of the clients that include an indication of wake-on-LAN functionality status of the client;
wherein the server computer system determines a client to be managed from the plurality of clients based on the received statuses of wake-on-LAN functionality;
wherein the server computer system is capable of transmitting a first network packet to determined client computer systems ~~the at least one client computer system~~, the first network packet comprising a wake-on-LAN packet;
wherein the server computer system is capable of receiving a return wake-on-LAN packet from the determined client computer systems ~~at least one client computer system~~, the return wake-on-LAN packet comprising an indication of the address of the client and an indication of the status of the wake-on-LAN functionality of the client; and
a database, the database comprising an indication of one or more clients and the status of their wake-on-LAN functionality.
13. (Original) The system of claim 12, wherein the network comprises an Ethernet network coupled to the server computer system and the at least one client computer system.
14. (Original) The system of claim 12, further comprising a plurality of client computer systems, the plurality of client computer systems being capable of creating a return wake-on-LAN packet.

15. (Currently Amended) A ~~computer storage machine-accessible~~ medium containing instructions effective, when executing in a data processing system, to cause said data processing system to perform operations comprising:
transmitting a request for wake-on-LAN status information to a plurality of clients;
receiving a response from one or more of the clients, the response including an indication of wake-on-LAN functionality status of the client;
updating the status of the wake-on-LAN functionality of the responding clients in a database;
determining a client to be managed from the plurality of clients based on the received statuses of wake-on-LAN functionality, wherein determining a client to be managed based on the received statuses includes determining whether the client is active on the network;
~~determining whether the client is active on the network;~~
in response to receiving responses from the one or more clients and determining a client to be managed, transmitting a first network packet to the determined client using the network, the network packet comprising a wake-on-LAN packet; and
receiving, from the determined client, a return wake-on-LAN packet, the return wake-on-LAN packet comprising an indication of the address of the client and an indication of the status of the wake-on-LAN functionality of the client.
16. (Currently Amended) The ~~computer storage machine-accessible~~ medium of claim 15 wherein the operations further comprise transmitting a command to start a management session on the determined client using the network.
17. (Currently Amended) The ~~computer storage machine-accessible~~ medium of claim 15 wherein the operations further comprise:
receiving an indication that the management session is complete; and
marking the determined client in a database as having completed its management session.

18. (Canceled)
19. (Canceled)
20. (Currently Amended) A method for managing a remote client on a network, the method comprising:
receiving by a client a request for wake-on-LAN status information from a server;
transmitting a response to the server including an indication of wake-on-LAN functionality status of the client;
receiving a first network packet from the[[a]] server over the network, the first network packet comprising a wake-on-LAN packet;
creating a return wake-on-LAN packet, the return wake-on-LAN packet comprising an indication of the address of the client and an indication of the status of the wake-on-LAN functionality of the client; and
transmitting the return wake-on-LAN packet over the network.
21. (Currently Amended) The method of claim 20, wherein the response to the request for wake-on-LAN information ~~return wake-on-LAN packet~~ comprises an indication that the client has wake-on-LAN enabled.
22. (Currently Amended) The method of claim 20, wherein the response to the request for wake-on-LAN information ~~return wake-on-LAN packet~~ comprises an indication that the client has wake-on-LAN disabled.
23. (Original) The method of claim 20, wherein the wake-on-LAN packet comprises an indication of the client address.
24. (Original) The method of claim 20, wherein the wake-on-LAN packet comprises an indication of the server address.